

SOUND ENVIRONMENTAL SOLUTIONS FOR A NEEDED AND NECESSARY ENERGY RESIDENCE.

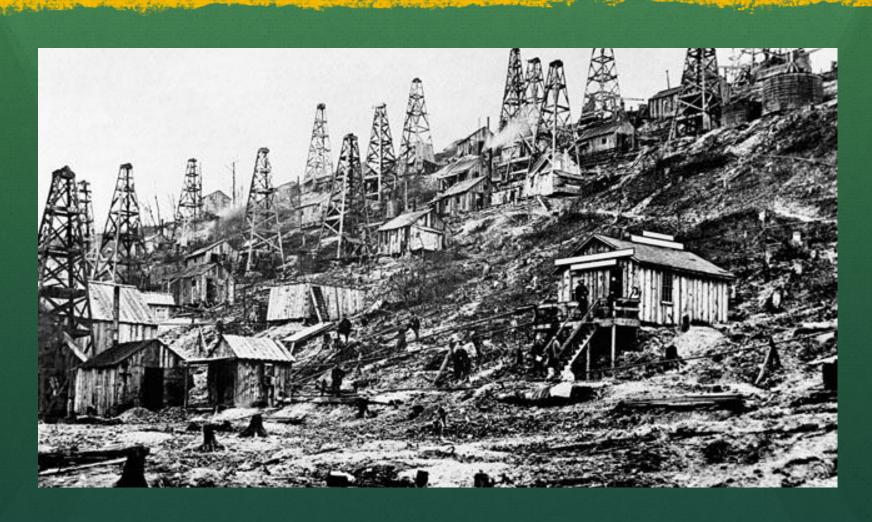
Exploration & Production Waste Management

Responsible Energy Development for a needed and necessary energy resource

E&P development and Environmental Stewardship must go hand in hand

Through regulations, company policy, environmental groups and technical advancement, E&P development and waste management has come a long way.

As an industry, we have come a long way from this

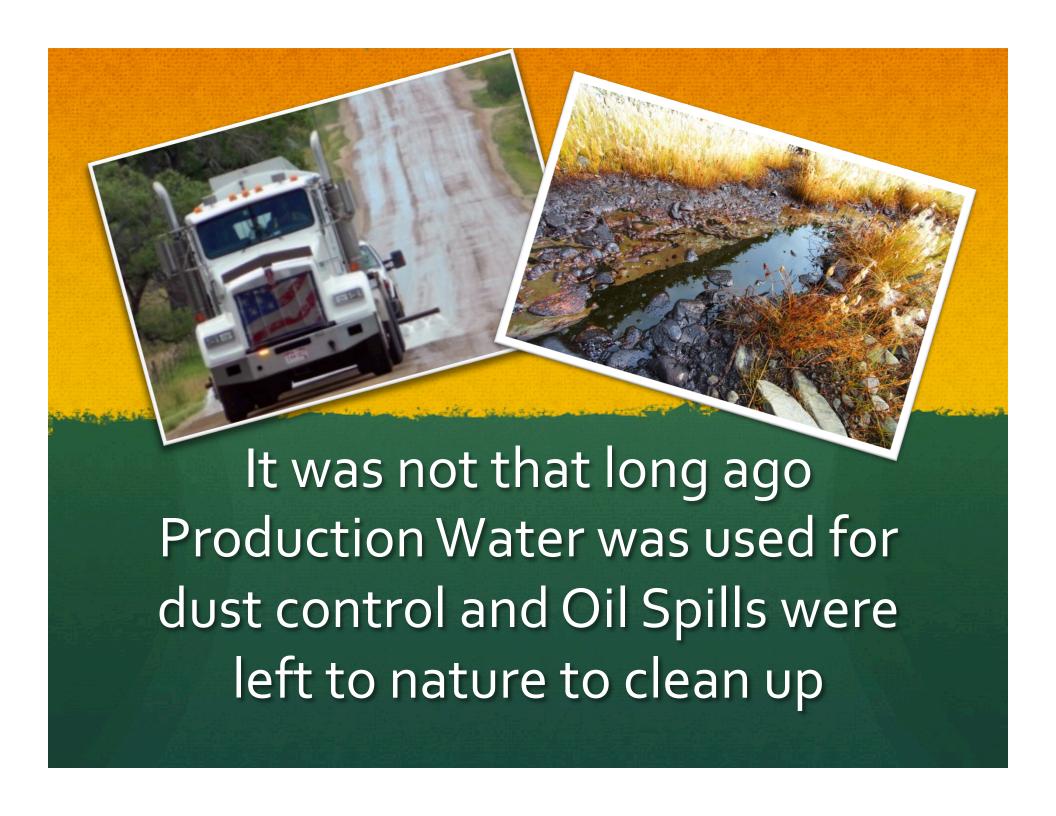


In the early days of E&P, environmental liability and stewardship was thrown to the wind (literally)



The Era of the Oil Gusher Lakeview Gusher of 1910, Maricopa, California







Todays E&P Waste Management is a "High Tech" Business.

Gone are the days when anyone who has a few acres of land can dig a hole, line it and be in the E&P disposal business. Today the disposal industry is highly regulated and held to the highest producer requirements, regulatory oversight and environmental safeguard standards.



- Spent filters, filter media
- hydrocarbon solids, hydrates
- Hydrocarbon-bearing soil
- Pigging wastes from gathering lines
- Constituents removed from produced water before it is injected or otherwise dis posed of
- Liquid hydrocarbons removed from the production stream but not from oil refining
- Produced water
- Drilling fluids
- Drill cuttings
- Well completion, treatment, and stimulation fluids
- Basic sediment, water, and other tank bottoms from storage facilities that hold product and exempt waste
- Accumulated materials such as hydrocarbons, solids, sands, and emulsion from production separators,

- Pit sludge and contaminated bottoms from Gas plant dehydration wastes, including glycol-based compounds, glycol filters, and filter media, backwash, and molecular sieves
- Waste crude oil from primary field operations
- Light organics volatilized from exempt wastes in reserve pits, impoundments, or production equipment.

E&P development often coexists in our communities



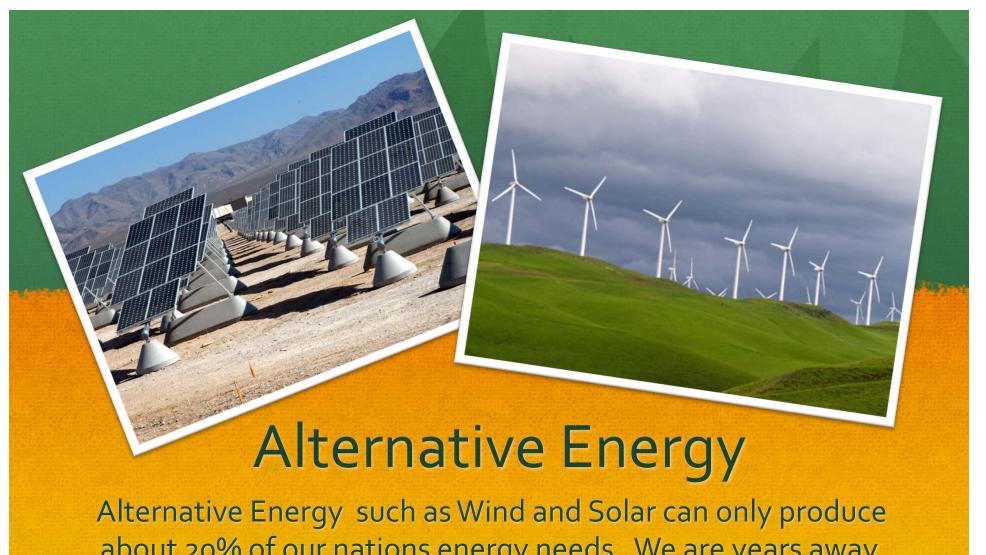
But sometimes even with all the best safeguards things can go terribly wrong in our industry



Chevron had a real PR disaster on their hands. They stood up, took control, made no excuses and took care of the problem



AS much as many people would like see oil and gas production stop or curtailed, it is here to stay for awhile.



about 20% of our nations energy needs. We are years away from Alternative Energy filling in the gap of our energy needs. When it comes to products, you'd probably be more hard-pressed to find something that doesn't contain oil than something that does.

Below is a partial list of products made from Petroleum (just a few of over 6000 items)

One 42-gallon barrel of oil creates 19.4 gallons of gasoline. The rest (over half) is used to make things like:

Clothing Ink Heart Valves Crayons **Parachutes** Telephones Enamel Transparent tape Antiseptics Vacuum bottles Deodorant Pantyhose Rubbing Alcohol Carpets **Epoxy paint** Oil filters Upholstery **Hearing Aids** Car sound insulation Cassettes Motorcycle helmets Pillows Shower doors Shoes Refrigerator linings Electrical tape Safety glass Awnings Salad bowl Rubber cement Nylon rope Ice buckets

Fertilizers

Model cars Hair coloring Toilet seats Floor wax Denture adhesive Sports car bodies Loudspeakers Tires Movie film Dishwashing liquids Unbreakable dishes Fishing boots Candles Toothbrushes Toothpaste Water pipes Car enamel Combs Shower curtains Tents Credit cards Hair curlers Aspirin Lipstick Golf balls Ice cube trays Electric blankets Detergents Tennis rackets Sunglasses Drinking cups Glue Fishing rods House paint Linoleum Rollerskates wheels Plastic wood Guitar strings Soft contact lenses Ammonia Trash bags Eyeglasses Hand lotion Ice chests Shampoo Life jackets TV cabinets Shaving cream Footballs Car battery cases Paint brushes Insect repellent Balloons Refrigerants Fan belts Typewriter ribbons Cold cream Umbrellas Paint Rollers Glycerin Plywood adhesive Luggage

Antifreeze

Cameras



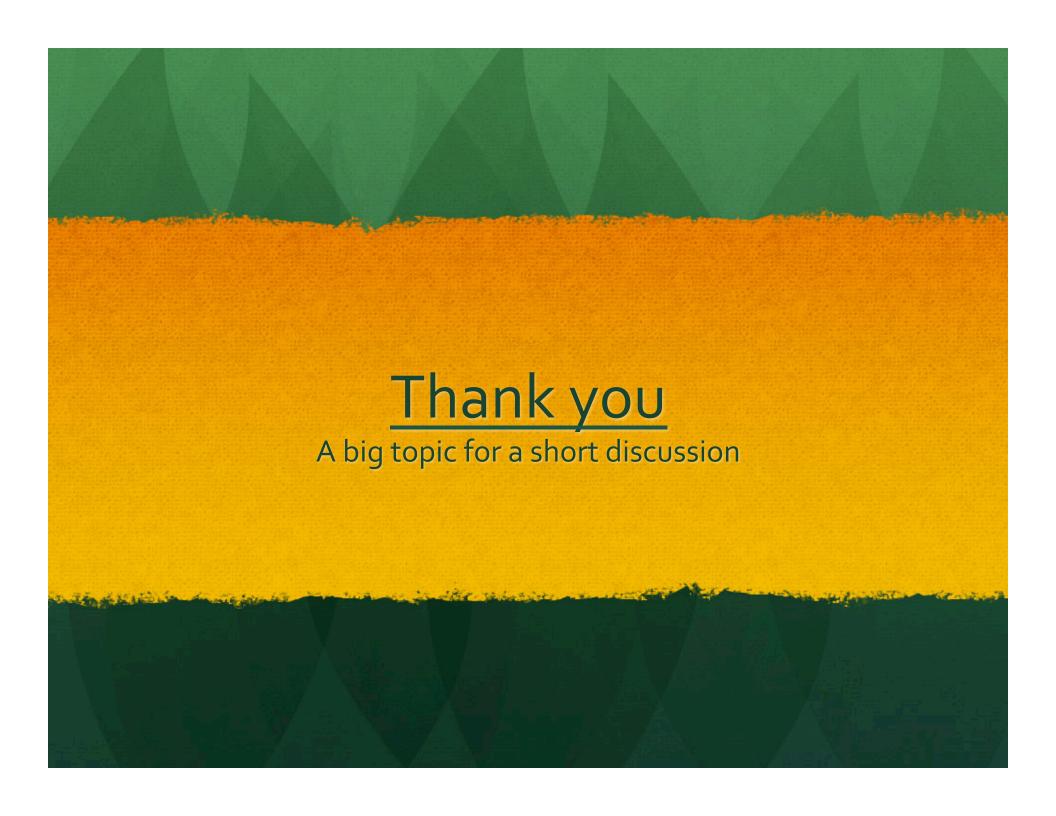
The "Hand-off Of The Environmental Responsibly"

The producers in the oil industry have responded to the environmental needs and requirements of todays E&P government regulations and the concerns of environmental groups. Disposal facilities must embrace the same standards and share in the responsibility of both the short and long term environmental liability. In the E&P industry you need more than a disposal company to do business with; you need a partner in the environmental mitigation liability business.











Oil and Gas **Exploration and** Production will be required for the foreseeable future to "fuel" our economy. Without energy there is no commerce.

